



```
CCCCCCCC 000000 MM MM EEEEEEEEE SSSSSSSS TTTT TTTT
CCCCCCCC 000000 MM MM EEEEEEEEE SSSSSSSS TTTT TTTT
CC        00    00 MMMM MMMM EE        SS        TT
CC        00    00 MMMM MMMM EE        SS        TT
CC        00    00 MM MM MM EE        SS        TT
CC        00    00 MM MM MM EE        SS        TT
CC        00    00 MM MM MM EE        SS        TT
CC        00    00 MM MM MM EE        SS        TT
CC        00    00 MM MM MM EE        SS        TT
CC        00    00 MM MM MM EE        SS        TT
CCCCCCCC 000000 MM MM EEEEEEEEE SSSSSSSS TTTT TTTT
CCCCCCCC 000000 MM MM EEEEEEEEE SSSSSSSS TTTT TTTT
TTT TTTT
```

```
RRRRRRRR EEEEEEEEE QQQQQQ
RRRRRRRR EEEEEEEEE QQQQQQ
RR        EE        QQ        QQ
RR        EE        QQ        QQ
RR        EE        QQ        QQ
RR        EE        QQ        QQ
RRRRRRRR EEEEEEEEE QQ        QQ
RRRRRRRR EEEEEEEEE QQ        QQ
RR RR      EE        QQ        QQ
RR RR      EE        QQ        QQ
RR RR      EE        QQ        QQ
RR RR      EE        QQ        QQ
RR RR      EEEEEEEEE QQQQ    QQ
RR RR      EEEEEEEEE QQQQ    QQ
```

↑ REQUIRE file for FORTRAN ERRSET and ERRST compatability routines.  
Referenced only by modules COM\$ERRSET, COM\$ERRST, and COM\$ERRSET\_TST.

```
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Author: J. Taylor

Change History:

0-1 - Original. JMT 12-Jan-78

0-2 - Change name to COMEST.REQ JBS 14-NOV-78

1-001 - Change version number and add copyright notice JBS 16-NOV-78

1-002 - Remove PRINT statement for new BLISS compiler. JBS 02-OCT-1979

↑ Define macros for accessing fields of signaled condition value:

MACRO

```
STS_SEVERITY    = BLOCK[SIG_ARGS_ADR[CHF$SIG_NAME], ST$V_SEVERITY; , BYTE] % , ! error severity
STS_FAC_NO      = BLOCK[SIG_ARGS_ADR[CHF$SIG_NAME], ST$V_FAC_NO; , BYTE] % , ! facility number
STS_CODE        = BLOCK[SIG_ARGS_ADR[CHF$SIG_NAME], ST$V_CODE; , BYTE] % , ! FORTRAN error number
STS_COND_ID     = BLOCK[SIG_ARGS_ADR[CHF$SIG_NAME], ST$V_COND_ID; , BYTE] % , ! condition id
! (all but control bits and severity)
```

MACRO

```
CHF_SIG_TRAP_NO = 8, 0, 3, 0 %; ! arithmetic trap code is 2nd signal arg list entry (3 bits)
```

↑ Define error control status bits set by ERRSET and tested by ERRST.

Each error number has a byte in FORT\_ERR\_TAB table with the following bits defined:

MACRO

FOR

! F

! \*\*

! \*

! \*

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! \*

! \*

! \*



V\_EC\_CONTINUE = 0, 0, 1, 0 %, ! 1 = continuable (or ERR=), 0 = EXIT.  
V\_EC\_COUNT = 0, 1, 1, 0 %, ! 1 = count against image limit  
V\_EC\_CONT\_TYPE = 0, 2, 1, 0 %, ! 1 = take ERR= if present, else EXIT  
V\_EC\_LOG = 0, 3, 1, 0 %, ! 0 = continue  
V\_EC\_CONT\_ALLOW = 0, 5, 1, 0 %, ! 1 = print error message  
V\_EC\_EREQ\_ALLOW = 0, 6, 1, 0 %, ! 1 = continue allowed  
V\_EC\_OCCURRED = 0, 7, 1, 0 %, ! 1 = ERR= allowed  
B\_EC\_ANY = 0, 0, 8, 0 %, ! 1 = error occurred since last CALL ERTST  
! Legal error number if any bits are set

! End of file COMEST.REQ



0178 AH-BT13A-SE  
VAX/VMS V4.0

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